

ABSTRACT

A bonded part such as a rubber to metal bonded part and process for producing a bonded part including a rubber and metal part, and particularly for
5 producing an automotive torsional vibration damper, comprising the steps of placing uncured elastomer composition comprising an elastomer, at least one curative, and preferably, at least one rubber-to-metal adhesive adjuvant into a shape-forming mold, and curing the elastomer in two stages, wherein in the first curing stage the elastomer composition is less than fully cured and in the second curing stage,
10 preferably performed with the elastomer composition in contact with a metal surface of the rubber and metal part, the elastomer composition is at least substantially fully cured. According to one embodiment, the present invention allows for the elimination of the step of applying an adhesive to the metal surface prior to application of the elastomer composition.

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